

**Material Data Declaration Sheet**

**ECS INC. INTERNATIONAL**

ECS Model Number	ECX-39 (-39 Package Type)
Product Description	SMD Crystal
Product Revision	
Product Total Weight	25.321mg/pcs



Contact Information	Company	ECS INC. INTERNATIONAL
	Contact Name	AJ Anderson
	Address	1105 S. Ridgeview Olathe, KS 66062
	Phone Number	913-782-7787

Homogenous Component/Subcomponent	Homogenous Component/Sub component Weight (mg)	Substance	CAS number	Substance Weight (mg)	PPM Level (If Available) (Substance Weight/Total Homogenous Component or Subcomponent Weight*1000000)	Purpose/Location
Base	16.9720	Alumina-Al <sub>2</sub> O <sub>3</sub>	1344-28-1	12.721	502389	Ceramic
		Silica-SiO <sub>2</sub>	14808-60-7	0.505	19944	Ceramic
		Titanium oxide-TiO <sub>2</sub>	13463-67-7	0.146	5766	Ceramic
		Magnesia-MgO	1309-48-4	0.068	2686	Ceramic
		Calcia-CaO	7440-70-2	0.049	1935	Ceramic
		Chromium oxide-Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	0.543	21445	Ceramic
		Tungsten-W	7440-33-7	1.931	76261	Electric conductor
		Molybdenum-Mo	7439-98-7	0.058	2291	Electric conductor
		Nickel-Ni	7440-02-0	0.689	27211	Plating
		Cobalt-Co	7440-48-4	0.175	6911	Plating
		Gold-Au	7440-57-5	0.087	3436	Plating
LID	7.284	Iron-Fe	7439-89-6	3.011	118913	Alloy
		Nickel-Ni	7440-02-0	1.587	62675	Alloy
		Cobalt-Co	7440-48-4	0.876	34596	Alloy
		Gold-Au	7440-57-5	0.007	276	Plating
		Nickel-Ni	7440-02-0	0.003	118	Plating
		Gold-Au	7440-57-5	1.440	56870	Seal
		Tin-Sn	7440-31-5	0.360	14217	Seal
Seal Material	0.518	Gold-Au	7440-57-5	0.453	17890	
		Ge	7440-56-4	0.065	2567	
Blank	0.347	Silica SiO <sub>2</sub>	14808-60-7	0.346	13665	Quartz crystal
		Ag	7440-22-4	0.001	39	Electrode
Bond	0.2	Ag	7440-22-4	0.180	7109	
		Silicone Resin	67763-03-5	0.020	790	